

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To:
 KIM, Seog-Hyun
 9th Floor, Daekyung Building, 120, 2-ka, Taepyeong-ro, Chung-ku, Seoul 100-724 Republic of Korea

PCT

**NOTIFICATION OF RECEIPT
 OF SEARCH COPY**

(PCT Rule 25.1)

Date of mailing
 (day/month/year) 29 DECEMBER 2004 (29.12.2004)

Applicant's or agent's file reference
 OP04-1083

IMPORTANT NOTIFICATION

International application No.

International filing date (day/month/year)

Priority date (day/month/year)

PCT/KR2004/003308

15 DECEMBER 2004 (15.12.2004)

15 DECEMBER 2003 (15.12.2003)

Applicant

KIM, Kye-Seong et al

1. Where the International Searching Authority and the receiving Office are not the same Office:

The applicant is hereby notified that the search copy of the international application was received by this International Searching Authority on the date indicated below.

Where the International Searching Authority and the receiving Office are the same Office:

The applicant is hereby notified that the search copy of the international application was received on the date indicated below.

28 DECEMBER 2004 (28.12.2004) (date of receipt).

2. The search copy was accompanied by nucleotide and/or amino acid sequence listing or tables related thereto in computer readable form.
3. **Time limit for establishment of international search report and written opinion of the International Searching Authority**
 The applicant is informed that the time limit for establishing the international search report and the written opinion of the International Searching Authority is three months from the date of receipt indicated above or nine months from the priority date, whichever time limit expires later (Rules 42.1 and 43bis.1(a)).
4. A copy of this notification has been sent to the International Bureau and, where the first sentence of paragraph 1 applies, to the receiving Office.

BEST AVAILABLE COPY

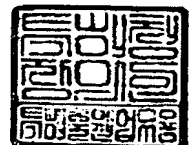
Name and mailing address of ISA/KR



Korean Intellectual Property Office
 920 Dunsan-dong, Seo-gu, Daejeon 302-701,
 Republic of Korea

Authorized officer

COMMISSIONER



Facsimile No. 82-42-472-7140

Telephone No. 82-42-481-5762

PCT REQUEST

Original (for SUBMISSION)

0	For receiving Office use only	
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	Form PCT/RO/101 PCT Request	
0-4-1	Prepared Using	PCT-SAFE [EASY mode] Version 3.50 (Build 0002.162)
0-5	Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	Korean Intellectual Property Office (RO/KR)
0-7	Applicant's or agent's file reference	OP04-1083
I	Title of Invention	NOVEL MIRNA MOLECULES ISOLATED FROM HUMAN EMBRYONIC STEM CELL
II	Applicant	
II-1	This person is	applicant and inventor
II-2	Applicant for	all designated States
II-4	Name (LAST, First)	KIM, Kye-Seong
II-5	Address	Department of Anatomy and Cell Biology, College of Medicine, Hanyang University, 17 Haengdang-dong, Seongdong-ku Seoul133-791 Republic of Korea
II-6	State of nationality	KR
II-7	State of residence	KR
II-8	Telephone No.	82-2-3468-3394
II-9	Facsimile No.	82-2-3468-3399

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III-1	Applicant and/or inventor	
III-1-1	This person is	applicant and inventor
III-1-2	Applicant for	US only
III-1-4	Name (LAST, First)	SUH, Mi-Ra
III-1-5	Address	Cell and Gene Therapy Research Institute, Pochon CHA University College of Medicine, Seoul135-081 Republic of Korea
III-1-6	State of nationality	KR
III-1-7	State of residence	KR
III-2	Applicant and/or inventor	
III-2-1	This person is	applicant and inventor
III-2-2	Applicant for	US only
III-2-4	Name (LAST, First)	KIM, Vit-Narry
III-2-5	Address	Institute of Molecular Biology and Genetics and School of Biological Sciences, Seoul National University Seoul151-724 Republic of Korea
III-2-6	State of nationality	KR
III-2-7	State of residence	KR
IV-1	Agent or common representative; or address for correspondence	
	The person identified below is hereby/ has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	agent
IV-1-1	Name (LAST, First)	KIM, Seog-Hyun
IV-1-2	Address	9th Floor, Daekyung Building, 120, 2-ka, Taepyung-ro, Chung-ku, Seoul100-724 Republic of Korea
IV-1-3	Telephone No.	82-2-772-2786
IV-1-4	Facsimile No.	82-2-772-2800
IV-1-5	e-mail	kimsh@hmpj.com


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Original (for SUBMISSION)

V	DESIGNATIONS		
V-1	The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.		
VI-1	Priority claim of earlier national application		
VI-1-1	Filing date	15 December 2003 (15.12.2003)	
VI-1-2	Number	60/529,098	
VI-1-3	Country	US	
VII-1	International Searching Authority Chosen	Korean Intellectual Property Office (ISA/KR)	
VIII	Declarations	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	
IX	Check list	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	4	✓
IX-2	Description (excluding sequence listing part)	38	-
IX-3	Claims	3	-
IX-4	Abstract	1	✓
IX-5	Drawings	6	-
IX-7a	Sub-total number of sheets	52	
IX-6a	Sequence listing part of description	26	-
IX-7	TOTAL	78	

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	Accompanying Items	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet	✓	-
IX-9	Original separate power of attorney	✓	-
IX-16(A)	Sequence listing in computer readable form		
IX-16(A) - (ii)	additional copies including, where applicable, the copy for the purposes of international search under Rule 13ter	-	1 Diskette
IX-17	PCT-SAFE physical media	-	✓
IX-19	Figure of the drawings which should accompany the abstract	Fig. 2	
IX-20	Language of filing of the international application	Korean	
X-1	Signature of applicant, agent or common representative		
X-1-1	Name (LAST, First)		
X-1-2	Name of signatory		
X-1-3	Capacity		

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10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/KR
10-6	Transmittal of search copy delayed until search fee is paid	

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11-1	Date of receipt of the record copy by the International Bureau	
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PCT REQUEST (ANNEX - FEE CALCULATION SHEET)

Original (for **SUBMISSION**)

(This sheet is not part of and does not count as a sheet of the international application)

0	For receiving Office use only		
0-1	International Application No.		
0-2	Date stamp of the receiving Office		
0-4	Form PCT/RO/101 (Annex) PCT Fee Calculation Sheet		
0-4-1	Prepared Using	PCT-SAFE [EASY mode] Version 3.50 (Build 0002.162)	
0-9	Applicant's or agent's file reference		
2	Applicant	KIM, Kye-Seong	
12	Calculation of prescribed fees	fee amount/multiplier	Total amounts (KRW)
12-1	Transmittal fee T	⇒	45000
12-2-1	Search fee S	⇒	225000
12-2-2	International search to be carried out by	KR	
12-3	International filing fee (first 30 sheets) i1	1329000	
12-4	Remaining sheets	48	
12-5	Additional amount (X) i2	14000	
12-6	Total additional amount	672000	
12-7	i1 + i2 =	2001000	
12-12	EASY Filing reduction R	-95000	
12-13	Total International filing fee (i-R) I	⇒	1906000
12-14	Fee for priority document		
	Number of priority documents requested	0	
12-15	Fee per document (X) P	0	
12-16	Total priority document fee:	⇒	
12-17	TOTAL FEES PAYABLE (T+S+I+P)	⇒	2176000
12-19	Mode of payment	cash	